

August 1, 1972

REPORT OF EXAMINATION
THE ANACONDA COMPANY
TRIBAL LAGUNA INDIAN LEASES
VALENCIA COUNTY, NEW MEXICO

TRIBAL LEASES
Nos. 5, 6, 7

by
Philip B. Mudgett
Mining Engineer

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
BRANCH OF MINING OPERATIONS
CONSERVATION DIVISION

Confidential Claim Retracted

Authorized by: SK

Date: 6/25/13

Following informal notice by John F. Herndon, Assistant Manager for the company, of intent to relinquish the subject uranium leases, an inspection of the involved lands was made on July 18, 1972, pursuant to the provisions of paragraph 16 of the covering leases, CFR 25 part 171.24, and CFR 30 part 231.20(b) of the applicable federal regulations relating to environmental and conservation requirements.

The inspection was conducted by the writer and Edward T. Sandell, Mining Engineer, of this Branch, in the company of Dominic Arrieta, Geologist, with the Anaconda Company.

The lands include all of leases No. 5 and No. 7, and a portion of No. 6 totalling about 2,600 acres in T. 10 N., R. 5 W., NMPM, and located about 8.5 miles north of Laguna, New Mexico.

Exploration drilling operations were commenced as early as 1952, and were recurrently continued into 1967. Fifty-four drill holes were completed on lease No. 5, 45 holes on the 1,281.28 acre portion of lease No. 6, and 47 holes on lease No. 7. The total of 146 holes aggregate about 52,000 feet, range from 50 feet to 1,201 feet deep and average about 394 feet in depth.

Principal exploration targets were potential uraniferous sandstone deposits in proximity to the then known large Jackpile and Paguate



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ore bodies in the Jackpile sandstone unit of the Brushy Basin member of the Morrison Formation of Jurassic age. Additional targets were potential uranium deposits in the underlying Westwater sandstone member. Drill holes were generally spaced about 1,000 feet apart with some offsetting at 200 feet to expand weak mineralization radiometrically detected in several of the holes. Although favorable geological evidence was encountered in most of the holes, no valuable concentrations of uranium mineralization were discovered. No artesian water was encountered in any of the holes.

Inspection of the drill holes and drill sites showed that they were adequately conditioned for abandonment. Very little erosion appeared to have resulted from access road construction, and substantial natural revegetation of all of the disturbed areas was evident.

No violations of the lease terms were observed.

Philip B. Mudgett
Mining Engineer

Orig. to: Supt., United Pueblos, Albuquerque
: Comm., Office of Indian Affairs
: Chief, Branch of Mining Operations
: Files